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(54) **METHODS AND SYSTEMS FOR PRODUCING BOAT MOLDS BY ADDITIVE MANUFACTURING**

(57) A method for manufacturing a mold comprises providing material to an extruder of an additive manufacturing apparatus;
heating the material to form a flowable material;
in a single continuous printing process, depositing the flowable material from a nozzle to form a plug (80) in-

cluding a hull portion (81) and a deck portion (82);
applying a plastic material to at least one of the hull portion (81) or the deck portion (82) of the plug (80); and
forming a mold by allowing the plastic material to harden and removing the hardened plastic material from the plug (80).

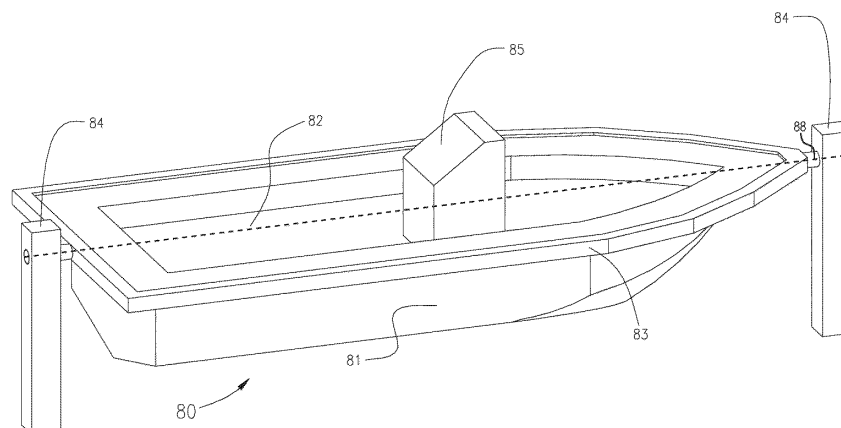


Fig. 5



EUROPEAN SEARCH REPORT

Application Number

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DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	Duane Marett: "LSAM 3D Printed Boat Hull Pattern Video", , 27 October 2017 (2017-10-27), XP055798365, Retrieved from the Internet: URL:https://blog.thermwood.com/topic/boat-hull [retrieved on 2021-04-23] * video *	1-15	INV. B29C64/118 B29C33/38 B33Y10/00 B33Y30/00 B63B5/00 B63B73/70
A	CZ 20 002 761 A3 (HAMLYN ALEXANDRE [FR]; GALLET CL MENTINE [FR]) 13 December 2000 (2000-12-13) * figures 1-6 * * paragraph [0025] - paragraph [0037] *	1-15	TECHNICAL FIELDS SEARCHED (IPC) B29C B63J B33Y B63B
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 1 November 2024	Examiner Sacepe, Nicolas
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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10	Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82